

WTM-T56N(Ver:5.0) Board

Supports AMD-E240、AMD-E350、AMD-T48E Processor

with DC POWER

1*RTL8105E LAN /1*SATA/4*COM/ 1*DDR3 SODIMM/

1*MINI-SATA/2*VGA

User Manual

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Manual's first edition:

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Specifications

CPU	Supports AMD-E240、AMD-E350、AMD-T48E CPU
Chipset	AMD Brazos eOntario + Hudson E1 Chipset芯片组
Memory	1 * 204-pin SODIMM Sockets for DDR3 1066/1333 SDRAM up to 4G
Expansion Slots	1 * PCI 8X slot(选配), 1 * Mini-PCIE(选配)
Storage	1* Serial ATA2 3Gb/s connectors 1 * Mini-SATA 3Gb/s connector
Audio	Realtek ALC662 HD Audio CODEC
Ethernet LAN	1*RTL8105E LAN
LVDS	NO
USB	8 * USB 2.0
Special Features	Support DC FAN
Rear Panel I/O	4 * USB 2.0 2 * VGA port 1 * RJ-45 port 1 * Line-out DC 12V Power In
Internal I/O	4* USB 2.0 ports 1* Serial ATA2 3Gb/s connectors 1* GPIO header 1* Parallel header 1 * Mini-SATA 3Gb/s connector 1 * Mini-PCIE connector 3 * NB / Chassis Fan connectors; 1 * AUDIO header 1 * PCI 8X slot, 4* COM(RS232) connector
BIOS	AMI 16MB EFI Flash ROM
Functional	ATM, Automation, medical Equipment, Security, Networking, POS, General Application, Gaming Machine, Transportation
Packing	Color Box Dimension200(W) x 200(D) x 100(H)mm
Certificate	CE, FCC, RoHS
Temperature	Operating within 0~60 centigrade (Suggest to use system FAN) Storage within -20-85 centigrade
Form Factor	Mini ATX Form Factor(17cmx17cm)

Package Contents

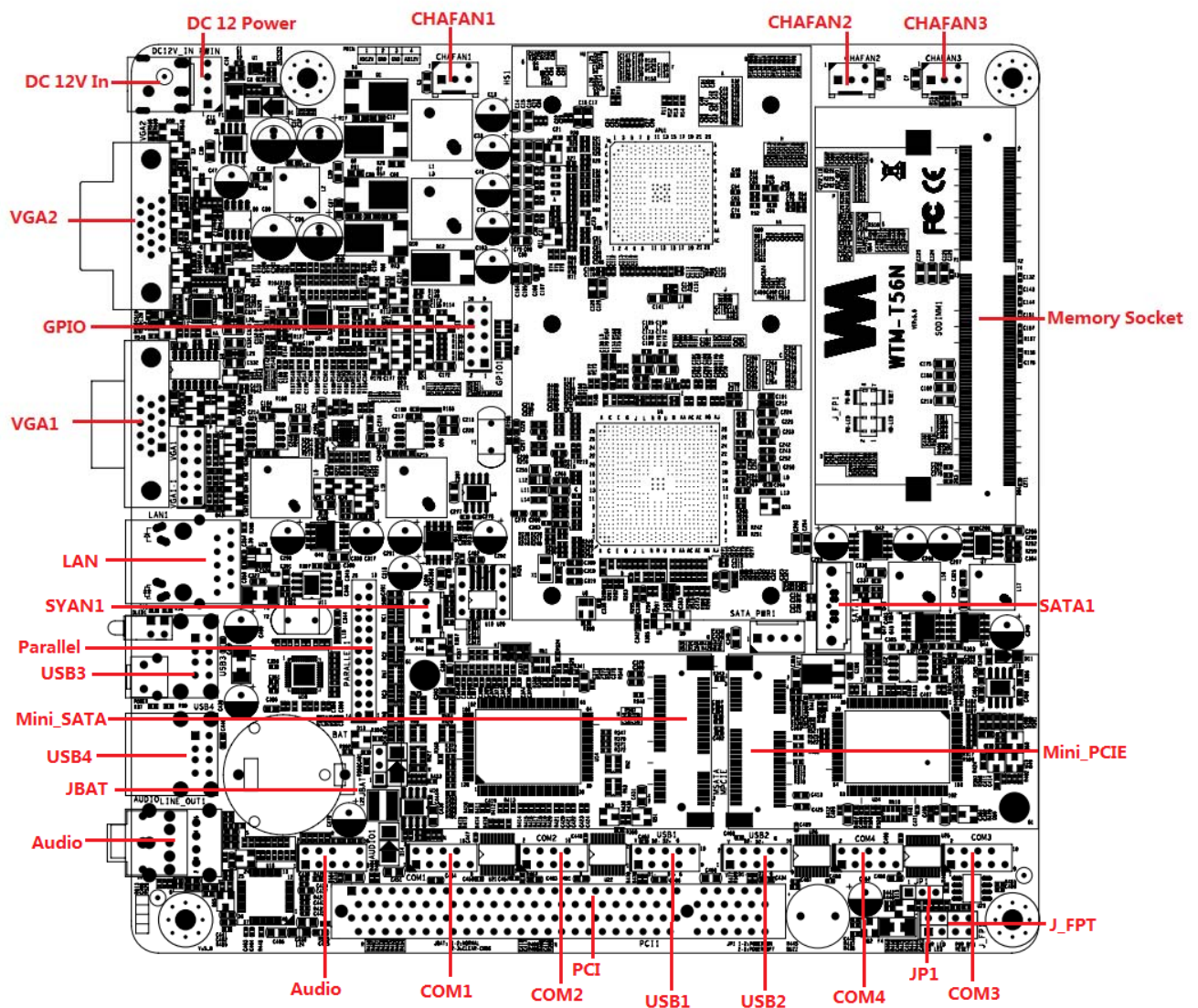
Check if the following items are included in the package.

1 * WTM-T56N board

1 * Quick Manual

1 * Software Utility CD

Locations(TopSide)



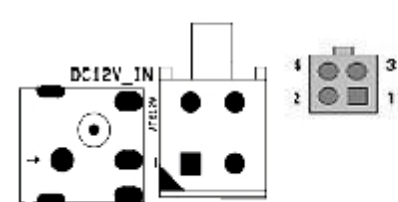
Connector and Jumper Setting

1)JBAT : CMOS Data retention/clear



STATUS	SETTING
Open	CMOS data retention. (Default).
Short	CMOS data Clear

2)ATX 12V_IN: External +12V DC Power input connector



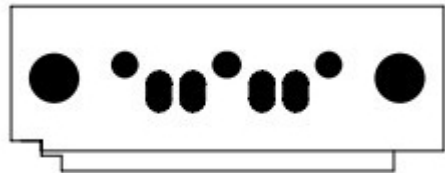
PIN	SETTING
1	GND
2	GND
3	+12V
4	+12V

3) Internal USB2.0 connector

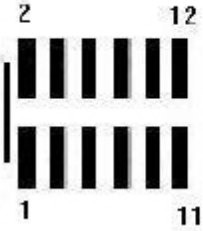


PIN	SETTING	PIN	SETTING
1	+5V	2	+5V
3	USB3-	4	USB4-
5	USB3+	6	USB4+
7	GND	8	GND
9	GND	10	GND

4)SATA1: SATA device connector #1 #2 #3 #4



5) VGA1: Extra VGA Signal connector



PIN	SETTING	PIN	SETTING
1	RED	2	GND
3	GREEN	4	GND
5	BLUE	6	GND
7	HSYNC	8	GND
9	VSYNC	10	VCC 5V
11	DDC_CLK	12	DDC_DAT

6)FP1: Front panel connector



STATUS	SETTING
1-3	HD_LED
2-4	PW_LED
5-7	Reset
6-8	PW_BTN

7)AUDIO 2: 5.1channels Audio signal connector

PIN	SETTING	PIN	SETTING
1	MIC2_L	2	GND
3	MIC2_R	4	GPIO
5	LineOut2_R	6	NC
7	SENSE_B	8	
9	LineOut2_L	10	NC

8)CHAFAN CPUFAN: System DC fan connector



PIN	SETTING
1	GND
2	+12V
3	Fan speed data

ON/OFF controlled by
system temperature setting
of BIOS.

9)JP3: POWER voltage selection



1
2
3

1-2	POWER ON
2-3	POWER OFF

10)LAN: RJ45 connector for Ethernet port



RJ45 connector for Gigabit Ethernet port #1.
Wake-On-LAN supported.

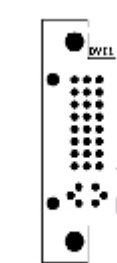
11)COM1-2: COM connector



COM 插针 (5*2Pin 2.54mm)

针脚	定义	针脚	定义
1	-NDCD	2	SIN
3	SOUT	4	DTR
5	GND	6	DSR
7	RTS	8	CTS

12) DVI1: DVI connector



13)GPIO

GPIO			
SB_GPIO201	1	2	SB_GPIO202
SB_GPIO203	3	4	SB_GPIO204
SB_GPIO205	5	6	SB_GPIO206
SB_GPIO207	7	8	SB_GPIO208
GND	9	10	VCC 5V

BIOS SETTING

This chapter describes the BIOS menu displays and explains how to perform common tasks needed to get the system up and running. It also gives detailed explanation of the elements found in each of the BIOS menu displays. The following topics are covered:

Main Setup

Advanced Setup

Chipset Setup

Boot Setup

Security Setup

Exit Setup

Once you enter the BIOS CMOS setup utility, you can use the control keys that listed at the bottom of the menu to select the desired value in each item.